

CLAIMS

I claim:

1. A reciprocating squeegee tool comprising:
 - a handle having a housing with a first and second opposite ends;
 - a mechanical reciprocator located in the handle;
 - a hollow elongated shaft having a proximal and distal end, wherein the proximal end is connected to the second opposite end of the housing;
 - a squeegee head defining a rod connector;
 - an elongated rod with opposite ends located inside the hollow elongated shaft, wherein one opposite end of the rod is operably connected to the mechanical reciprocator and the remaining opposite end of the rod is connected to the rod connector of the squeegee head; and
 - a cleaning fluid delivery tube with opposite ends, one end connected to a sprayer member.
2. The reciprocating squeegee tool according to claim 1, wherein the delivery tube directs cleaning fluid to the sprayer member for spraying the cleaning fluid on an area of windshield proximate to the squeegee head, and wherein the reciprocator induces a reciprocating action in the squeegee head such that the squeegee head is repeatedly moved between a first position

and a second position so that the induced movement in the squeegee head combined with the cleaning fluid spray can be applied to clean a vehicle's windshield.

3. The reciprocating squeegee tool according to claim 1 in combination with a power supply to drive the mechanical reciprocator.

4. The reciprocating squeegee tool according to claim 1 in combination with a power supply to drive the mechanical reciprocator and a cleaning fluid supply, wherein the cleaning fluid supply is connected to the delivery tube, and wherein the cleaning fluid supply comprises a pump to direct cleaning fluid to the cleaning fluid delivery tube and thence to the spraying member.

5. A window washer machine especially adapted to substantially clean a vehicle window, comprising:

a means for supplying cleaning fluid, wherein the means for supplying cleaning fluid; and

a reciprocating squeegee tool having a reciprocating means, a squeegee head, and a spraying means,

wherein the squeegee head is connected to the reciprocating means which induces a reciprocating action in the squeegee head such that the squeegee head is repeatedly moved between a first position and a second position,

wherein the spraying means is connected to the cleaning fluid supply and located proximate to the squeegee head thereby allowing the spraying means to spray cleaning fluid in an area proximate to the squeegee head,

whereby the reciprocating action induced in the squeegee head combined with the spray of cleaning fluid renders the window washer especially adapted to substantially clean a vehicle window including a vehicle window splattered with insect remains.

6. The window washer machine according to claim 5 further comprising a timer and a money-receiving means.

7. The window washer machine according to claim 5 further comprising a timer and a money-receiving means, wherein the timer is configured to allow a power supply to deliver power to the reciprocating means for a predetermined time in response to a predetermined amount of money deposited in the money-receiving means.

8. The window washer machine according to claim 5 further comprising a timer and a money-receiving means, wherein the means for supplying cleaning fluid comprises a pump, further wherein the timer is configured to allow a power supply to deliver power to the pump and the reciprocating means for a predetermined time in response to a predetermined amount of money deposited in the money-receiving means, and wherein the predetermined time is set to allow sufficient time for an average vehicle operator to clean a vehicle's window such as a windshield, but not sufficient time to allow the average vehicle operator to clean an entire vehicle.

9. The window washer machine according to claim 5, wherein the means for supplying cleaning fluid comprises a 55-gallon cleaning fluid drum.

10. The window washer machine according to claim 5, wherein the power means is connected to the reciprocating means via a re-coiling power line.

11. The window washer machine according to claim 5, wherein the power means is connected to the reciprocating means via a 14-gauge re-coiling power line.

12. The window washer machine according to claim 5, wherein the means for supplying cleaning fluid further comprises a re-coiling cleaning fluid hose that connects a container to the spraying means.

13. The window washer machine according to claim 5, wherein the means for supplying cleaning fluid further comprises a re-coiling cleaning fluid hose that connects a container to the spraying means, wherein the container is a drum capable of holding about 55 gallons of cleaning fluid.

14. A window washer machine especially adapted to substantially clean a vehicle windscreen, comprising:

a power supply;

a container for storing cleaning fluid;

a set of cleaning fluid tubing;

a pump energized by the power supply and operably connected to the container via the cleaning fluid tubing;

a reciprocating squeegee tool having a reciprocating means, a squeegee head, and a spraying means,

wherein the reciprocating means is energized by the power supply,

wherein the squeegee head is connected to the reciprocating means, wherein the reciprocating means is adapted to apply a reciprocating action to the squeegee head whereupon the squeegee head is repeatedly moved between a first position and a second position,

wherein the spraying means is connected to the container via the cleaning fluid tubing, wherein the spraying means is located proximate to the squeegee head to spray cleaning fluid in an area proximate to the squeegee head; and

a money-receiving means operably connected to a timer, wherein the money-receiving means is adapted to count an amount

of money and in response to a receiving a predetermined amount of money sends an on-signal to the timer such that the timer is switched on for a predetermined amount of time,

wherein the timer is operably connected to the power supply, wherein the power supply operates in response to an on-signal from the timer such that when the power supply is on power is delivered to the pump and the reciprocating means for a predetermined amount of time such that during the predetermined time the pump pumps cleaning fluid from the container to the spraying means via the cleaning delivering tubing and power runs to the reciprocating means,

whereby the reciprocating action induced in the squeegee head combined with the spray of cleaning fluid renders the window washer especially adapted to substantially clean a vehicle windshield.

15. The window washer machine according to claim 14, wherein the pump, timer, and power supply are located in a housing.

16. The window washer machine according to claim 14, wherein the pump, timer, power supply, and container are located in at least one housing.

17. A method of cleaning a vehicle window, comprising the step of cleaning a vehicle window using a reciprocating means attached to a squeegee head.

18. The method of cleaning a vehicle window according to claim 17 further comprising the step of applying a cleaning fluid to the vehicle window, wherein the vehicle window is a windshield.

19. The method of cleaning a vehicle window according to claim 17 further comprising the step of spraying a cleaning fluid on to the squeegee head or the vehicle window.